Studiobeam Smart White

ORDERCODE 42497

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SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from Showtec.
The Showtec Studiobeam Smart White brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on Showtec, for more excellent lighting products.
We design and manufacture professional light equipment for the entertainment industry.
New products are being launched regularly. We work hard to keep you, our customer, satisfied.
For more information: iwant@showtec.info

You can get some of the best quality, best priced products on the market from Showtec.
So next time, turn to Showtec for more great lighting equipment.
Always get the best -- with Showtec !

Thank you!

Showtec Studiobeam Smart White ™ Product Guide

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Warning

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:
- Studiobeam Smart White
- Powercon cable 1,50m
- User manual

LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. It is estimated that a viable lifespan of 40,000 to 50,000 hours will be achieved under normal operational conditions. If improving on this lifespan expectancy is of a higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.

CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!

Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:
- be qualified
- follow the instructions of this manual

CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!

Before your initial start-up,, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the device and do not modify the device.
- Never use anything to cover the ground contact.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never use the device during thunderstorms, unplug the device immediately.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the lamp's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot).
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always replace the lamp, when it is damaged or deformed due to the heat.
- Always keep case closed while operating.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used, before cleaning or when replacing lamp! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- Make sure that no side forces can impact on the truss system.
- The cable insert or the female part in the device must never be strained. There must always be sufficient cable to the device. Otherwise, the cable may be damaged which may lead to deadly electrical shocks.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. Light effect must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- This device can be installed on a flat surface or onto truss systems via the mounting bracket.
- The user is responsible for correct positioning and operating of the Studiobeam. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

CAUTION ! EYEDAMAGES !.
Avoid looking directly into the light source.
(meant especially for epileptics) !

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light-output and the illuminated surface must be more than 1 meter.
- The maximum ambient temperature t_a = 45°C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 45° C.
- If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash, etc.

You endanger your own safety and the safety of others!

Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !
Always let the installation be carried out by an authorized dealer !

Procedure:

- If the Studiobeam is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Studiobeam, with the mounting-bracket, to the trussing system.
- The Studiobeam must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the Studiobeam, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.

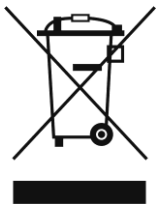
Improper installation can cause serious damage to people and property !

Connection with the mains

Connect the device to the mains with the power-plug.
Always pay attention, that the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	FASE
N	BLUE	BLACK	SILVER	NUL
⏚	YELLOW/GREEN	GREEN	GREEN	EARTH

Make sure that the device is always connected properly to the earth!



⚠ Return Procedure ⚠

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.nl and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

1) Your name
2) Your address
3) Your phone number
4) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any short-comings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the device

Features

The Showtec Studiobeam Smart White is a LED Multipar with high output and great effects.

- Lux (@ 2 meter) 4934 (CW)
- Lux (@ 2 meter) 4032 (WW)
- Lux (@ 2 meter) 1884 (Amber)
- Max distance: 10m
- High light output and never change lamps again!
- Stylish design
- Convection cooling which eliminates the use of fans and noise
- Very suitable for illuminating trusses as well as background lighting.
- Equipped with a double bracket, so it is also suitable for floor use.
- Signal connector XLR 3 and 5 -pole Male and Female
- Smart White control
- Multi Voltage: 100-240V ~47/63Hz
- Road Proof Design
- Neutrik connectors
- Equipped with special LED's, offering Cool White, Warm White and Amber in one package.
- Excellent white balance, therefore it is very suitable for broadcast, TV studio, theatres and events.
- LED Quantity: 18x 3-in-1 CW, WW, Amber
- Multivoltage Powersupply
- Driver current: 625mA
- Refreshrate: 1000Hz
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Beam Angle: 20° degrees
- On Board: Display for easy Set Up
- Options : DMX512, Auto, Manual
- DMX personality: 3 and 5 Channel
- Power consumption: 140W max @FO
- IP Rating: IP-20
- Housing: Die cast Aluminium
- Black Powder Coat Finish
- Cooling: Convection (no fans)
- Linkable
- Mounting bracket included
- Connections: Powercon + Neutrik XLR 3 and 5 pole
- Dimensions (LxWxH): 363 x 285 x 220 mm
- Weight: 4,68 kg

NOTE: Knowledge of DMX is required to fully utilize this unit.

Overview

Fig. 1

1) Mounting bracket fixation screw
2) Floor stand fixation screw

Fig. 2

3) Fuse T3,15A 250V
4) Earth connection Powercable
5) 3 Pole DMX signal connector (OUT)
6) Power Thru (Grey): This connector sends the power to the next unit (Max 20A).
7) 3 Pole DMX signal connector (IN)
8) Power Input (Blue): This connector is the input power for this unit (Max 20A).
9) Safety eye
10) Firmware update Ethercon connector
11) 5 Pole DMX signal connector (OUT)
12) Mode, Up and Down Buttons
13) 5 Pole DMX signal connector (IN)

Installation

Remove all packing materials from the Studiobeam. Check that all foam and plastic padding is removed. Connect all cables.
Do not supply power before the whole system is set up and connected properly.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.
Before plugging the unit in, always make sure that the power supply matches the product specification voltage.
Damages caused by non-observance are not subject to warranty.

Control Modes

There are 2 modes:
- Manual Mode
- DMX512

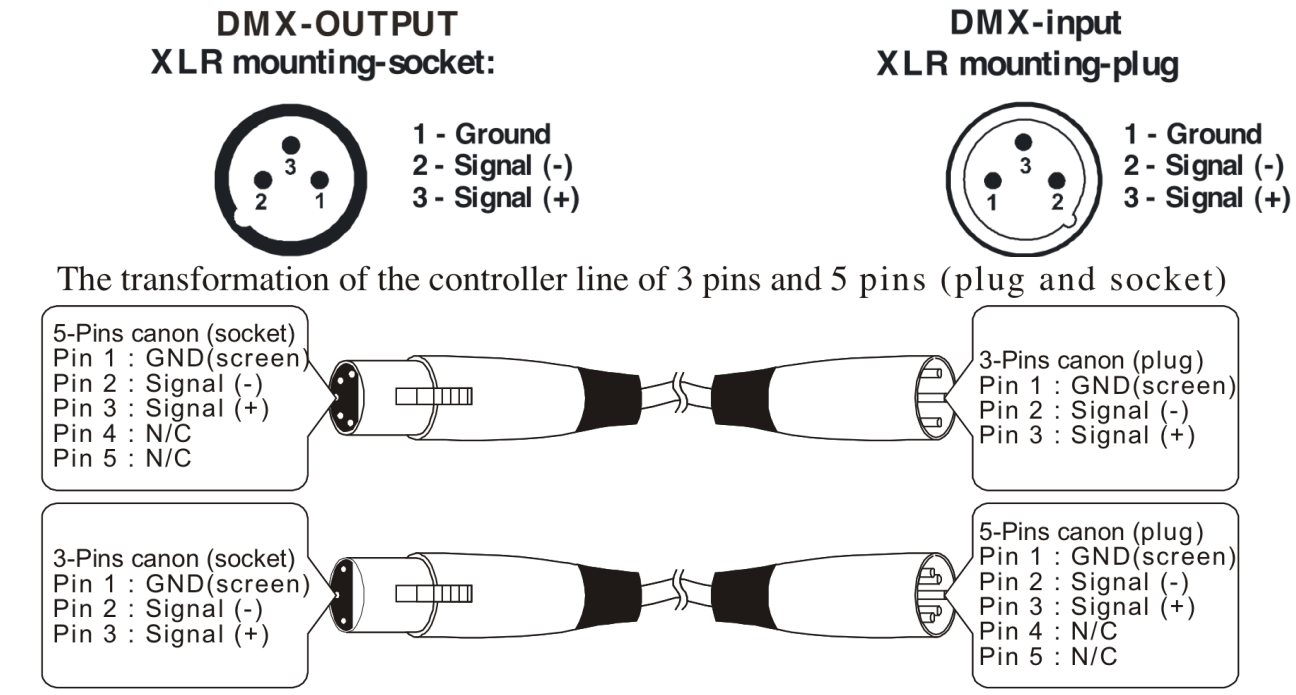
One Studiobeam (Manual Mode)

1. Fasten the effect light onto firm trussing. Leave at least 0,5 meter on all sides for air circulation.
2. Plug the end of the electric mains power cord into a proper electric power supply socket.
3. When the Studiobeam is not connected by a DMX-cable, it functions as a stand-alone device. Please see page 13 for more information about the Manual Mode.

Multiple Studiobeams (DMX Control)

1. Fasten the effect light onto firm trussing. Leave at least 0,5 meter on all sides for air circulation.
2. Always use a safety cable (ordercode 70140 / 70141).
3. Use a 3-p XLR cable to connect the Studiobeam and other devices.

Occupation of the XLR-connection:


DMX-OUTPUT
XLR mounting-socket:
1 - Ground
2 - Signal (-)
3 - Signal (+)
DMX-input
XLR mounting-plug
1 - Ground
2 - Signal (-)
3 - Signal (+)
The transformation of the controller line of 3 pins and 5 pins (plug and socket)
5-Pins canon (socket)
Pin 1 : GND(screen)
Pin 2 : Signal (-)
Pin 3 : Signal (+)
Pin 4 : N/C
Pin 5 : N/C
3-Pins canon (plug)
Pin 1 : GND(screen)
Pin 2 : Signal (-)
Pin 3 : Signal (+)
3-Pins canon (socket)
Pin 1 : GND(screen)
Pin 2 : Signal (-)
Pin 3 : Signal (+)
5-Pins canon (plug)
Pin 1 : GND(screen)
Pin 2 : Signal (-)
Pin 3 : Signal (+)
Pin 4 : N/C
Pin 5 : N/C

4. Link the units as shown in (figure 3), Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units.
5. Supply electric power: Plug electric mains power cords into each unit's IEC socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.

Multiple Studiobeams DMX Set Up

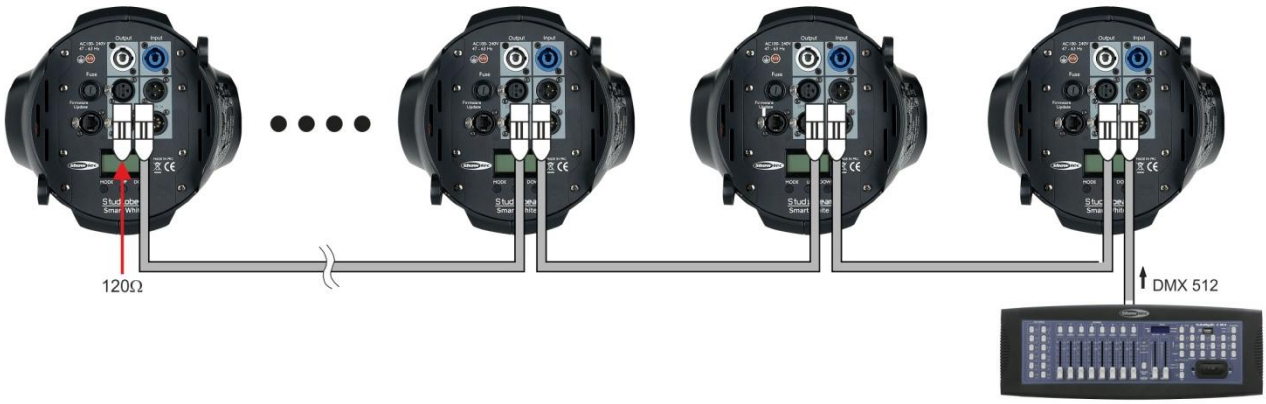


Fig. 3

Note : Link all cables before connecting electric power

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

The Mini Studiobeam uses a maximum of 5 channels.

Important: Fixtures on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard no more than 30 devices should be connected on one data link. Connecting more than 30 fixtures on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.

Maximum recommended DMX data link distance: 100 meters
Maximum recommended number of Studiobeams on a DMX data link: 30 fixtures

Data Cabling

To link fixtures together you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DAP Audio Certified DMX Data Cables

- DAP Audio Basic microphone cable for allround use. bal. XLR/M 3 p. > XLR/F 3 p. **Ordercode** FL01150 (1,5m.), FL013 (3m.), FL016 (6m.), FL0110 (10m.), FL0115 (15m.), FL0120 (20m.).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik®. **Ordercode** FL71150 (1,5m.), FL713 (3m.), FL716 (6m.), FL7110 (10m.).

Control Panel

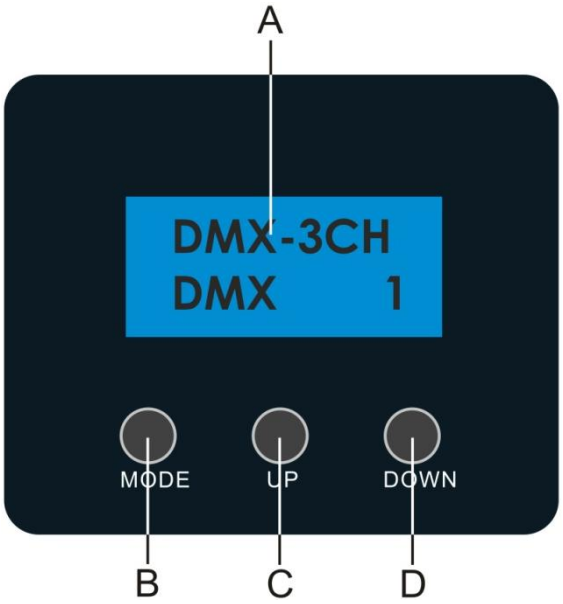


Fig. 4

A. LCD Display
B. MODE button
C. Up Button
D. Down Button

Control Mode

The fixtures are individually addressed

Up/Down

on a data-link and connected to the controller.
The fixtures respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address the next time.)

DMX Addressing

The control panel on the backside of the StudioBeam allows you to assign the DMX fixture address, which is the first channel from which the StudioBeam will respond to the controller.
Please note when you use the controller, the unit has maximum **5** channels.
When using multiple Studiobeams, make sure you set the DMX addresses right.
Therefore, the DMX address of the first StudioBeam should be **1(4001)**; the DMX address of the second Mini StudioBeam should be **1+5=6**; the DMX address of the third StudioBeam should be **6+5=11**, etc.
Please, be sure that you don't have any overlapping channels in order to control each StudioBeam correctly.
If two or more Studiobeams are addressed similarly, they will work similarly.

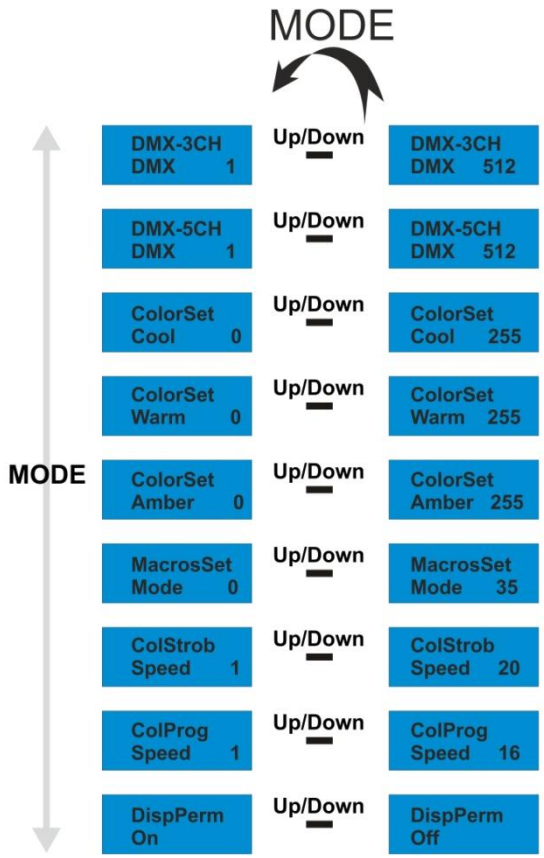
Controlling:

After having addressed all StudioBeam fixtures, you may now start operating these via your lighting controller.
Note: After switching on, the StudioBeam will automatically detect whether DMX 512 data is received or not.
If not, the problem may be:

- The XLR cable from the controller is not connected with the input of the Studiobeam Smart White.
- The controller is switched off or defective, the cable or connector is detective, or the signal wires are swapped in the input connector.

Note: It's necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

Menu Overview



DMX 3 Channel Mode

DMX 5 Channel Mode

Manual Cool White, from 0 – 100%

Manual Warm White, from 0 – 100%

Manual Amber, from 0 – 100%

Macro Color Mode, from slow to fast (0 – 100%)

Strobe speed, from slow to fast (0 – 100%)

Color Flow effect from fast to slow

Display Mode
On: The LCD display is permanently ON
Off: The LCD Display will turn off after 10 seconds.
In this condition, pressing any buttons is useless. To turn the LCD display back ON, press and hold one of the buttons for 3 seconds.

The Studiobeam will automatically detect the presence of a DMX signal. If **no** DMX signal is present, the display will read: *NO DMX Signal!*

In order to receive a DMX signal, the controller must be attached to a DMX controller by a 3/5-pin DMX cable and the DMX controller must be turned on.
The Studiobeam can operate as a 3 or 5-channel DMX fixture.

DMX Channels

In order to receive a DMX signal, the controller must be attached to a DMX controller by a 3/5-pin DMX cable and the DMX controller must be turned on.
The Studiobeam system can operate as a 3 or 5 Channel DMX fixture.

3 DMX Channels

Channel 1 – Cool White

0-255	Cool White from 0 – 100%

Channel 2 – Warm White

0-255	Warm White from 0 – 100%

Channel 3 – Amber

0-255	Amber from 0 – 100%

5 DMX Channels

Channel 1 – Cool White

0-255	Cool White from 0 – 100%

Channel 2 – Warm White

0-255	Warm White from 0 – 100%

Channel 3 – Amber

0-255	Amber from 0 – 100%

Channel 4 – Macro Colors (Combination of Cool White, Warm White and Amber)

Value	Macro	Cool White	Warm White	Amber
0-13	0	0	0	0
14-20	1	0	0	128
21-27	2	0	0	192
28-34	3	0	0	255
35-41	4	0	128	0
42-48	5	0	128	128
49-54	6	0	128	192
55-61	7	0	128	255
62-68	8	0	255	0
69-75	9	0	255	128
76-82	10	0	255	192
83-89	11	0	255	255
90-96	12	128	0	0
97-103	13	128	0	128
104-110	14	128	0	192
111-117	15	128	0	255
118-124	16	128	128	0
125-130	17	128	128	128
131-137	18	128	128	192
138-144	19	128	128	255
145-151	20	128	255	0
152-158	21	128	255	128
159-165	22	128	255	192
166-172	23	128	255	255
173-179	24	255	0	0

180-186	25	255	0	128
187-193	26	255	0	192
194-200	27	255	0	255
201-207	28	255	128	0
208-213	29	255	128	128
214-220	30	255	128	192
221-227	31	255	128	255
228-234	32	255	255	0
235-241	33	255	255	128
243-248	34	255	255	192
249-255	35	255	255	255

Channel 5 – Strobe Speed

0-15	No Function
16-255	Strobe, from slow to fast

Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.
The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

The Showtec Studiobeam requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light-output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.
Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). The fuse will come out.
3. Remove the used fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details

Troubleshooting

No Light

This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.
If the light effect does not operate properly, refer servicing to a technician.
Response: Suspect three potential problem areas: the power supply, the LED and the fuse.

1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The LEDs. Return the Studiobeam Smart White to your Showtec dealer.
3. The fuse. Replace the fuse. See above for replacing the fuse.
4. If all of the above appears to be O.K., plug the unit in again.
5. If you are unable to determine the cause of the problem, do not open the Studiobeam Smart White, as this may damage the unit and the warranty will become void.
6. Return the device to your Showtec dealer.

No Response to DMX

Response: Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

1. Check the DMX setting. Make sure that DMX addresses are correct.
2. Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
3. Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products ? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

See below for more problem solving.

Problem	Probable cause(s)	Remedy
One or more fixtures are completely dead.	No power to the fixture	• Check that power is switched on and cables are plugged in. If the problem persists contact your dealer for servicing.
Fixtures reset correctly, but all respond erratically or not at all to the controller.	The controller is not connected.	• Connect controller.
	3-pin XLR Out of the controller does not match XLR Out of the first fixture on the link (i.e. signal is reversed).	• Install a phase reversing cable between the controller and the first fixture on the link.
Fixtures reset correctly, but some respond erratically or not at all to the controller.	Poor data quality	• Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture disturbing the link.
	Bad data link connection	• Inspect connections and cables. Correct poor connections. Repair or replace damaged cables.
	Data link not terminated with 120 Ohm termination plug.	• Insert termination plug in output jack of the last fixture on the link.
	Incorrect addressing of the fixtures.	• Check address setting.
	One of the fixtures is defective and disturbs data transmission on the link.	• Bypass one fixture at a time until normal operation is regained: unplug both connectors and connect them directly together. • Have the defective fixture serviced by a qualified technician.
	3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed).	• Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture, that behaves erratically.
Shutter closes suddenly	The color wheel, gobowheel or a gobo has lost its index position and the fixture is resetting the effect.	• Contact a technician for servicing the problem persists.
No light or lamp cuts out intermittently	Fixture is too hot.	• Allow fixture to cool. • Contact your dealer for servicing or cleaning the fan. • Make sure air vents at control panel and front lens are not blocked. • Turn up the air conditioning .
	LEDs damaged	• Disconnect fixture and return to your dealer.
	The power supply settings do not match local AC voltage and frequency.	• Disconnect fixture. Check settings and correct if necessary.

Product Specification

Model: Showtec Studiobeam Smart White

- Lux (@ 2 meter) 4934 (CW)
- Lux (@ 2 meter) 4032 (WW)
- Lux (@ 2 meter) 1884 (Amber)
- High light output and never change lamps again!
- Stylish design
- Convection cooling which eliminates the use of fans and noise
- Very suitable for illuminating trusses as well as background lighting.
- Equipped with a double bracket, so it is also suitable for floor use.
- Signal connector XLR 3 and 5 -pole Male and Female
- Smart White control
- Multi Voltage: 100-240V ~47/63Hz
- Road Proof Design
- Neutrik connectors
- Equipped with special LED's, offering Cool White, Warm White and Amber in one package.
- Excellent white balance, therefore it is very suitable for broadcast, TV studio, theatres and events.
- LED Quantity: 18 x 3-in-1 CW, WW, Amber
- Multivoltage Powersupply
- Driver current: 625 mA
- Refreshrate: 1000 Hz
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Beam Angle: 20° degrees
- On Board: Display for easy Set Up
- Options : DMX512, Auto, Manual
- DMX personality: 3 and 5 Channel
- Power consumption: 140W max @FO
- IP Rating: IP-20
- Housing: Die cast Aluminium
- Black Powder Coat Finish
- Cooling: Convection (no fans)
- Linkable
- Mounting bracket included
- Connections: Powercon + Neutrik XLR 3 and 5 pole
- Dimensions (LxWxH): 363 x 285 x 220 mm
- Weight: 4,68 kg

Minimum distance:

Minimum distance from flammable surfaces: 0.5m
Minimum distance to lighted object: 1.3m

Design and product specifications are subject to change without prior notice.

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